**Preparing for Miao Liang Experiment**

This is the first step in preparing for our field trip to Miao Liang in mid-September.

Part 1. What do you want to know about the Miao Liang Watershed? **Write FIVE questions.**

Part 2. Fill in the chart below for BOTH aquatic and terrestrial studies. For each side, write field techniques that you can use in each context. Write things that you can measure for each. Write as many things as you can on each side.

|  |  |
| --- | --- |
| **Aquatic** | **Terrestrial** |
|  | *ex. transects* |
| *ex. dissolved oxygen* | *ex. soil moisture* |

Part 3. Background/Discussion

What information should be included in your backgrounds and discussion? What should people know about the Miao Liang watershed?

Part 4. Design a Terrestrial Field Study

-Aim:

-Hypothesis:

-IV, DV, CVs

-Methods: Be as specific as possible. How will you set up transects, quadrats, etc. What will you measure/count? How will your trials be organized?

-Draw a diagram of your setup in the field. Be sure to include any locations you would want to use.

-How will you process your data? Be specific. If you aren’t sure, research the proper methods.

Part 5. Design an Aquatic Field Study

-Aim:

-Hypothesis:

-IV, DV, CVs

-Methods: Be as specific as possible. How will you set up transects, quadrats, etc. What will you measure/count? How will your trials be organized?

-Draw a diagram of your setup in the field. Be sure to include any locations you would want to use.

-How will you process your data? Be specific. If you aren’t sure, research the proper methods.

Part 6. Other Considerations.

Whatever your study, you will need to document the environment that you are working in. How will you do this?

You will be working with 1-2 11th grade “minions”. What will they do for you?